*FCC PART 15, SUBPART C &*
*RSS-210 ISSUE 7 DATED JUNE 2007*
*TEST REPORT*

*for*

FM TRANSMITTER
M/N: ICPW-300
FCC ID: RJE178065-00

Prepared for

EVER WIN INTERNATIONAL CORP.
9504 TOPANGA CANYON BLVD
CHATSWORTH, CA 91311

Prepared by: _____

REYNALD O. RAMIREZ

Approved by: _____

RUBY A. HALL

COMPATIBLE ELECTRONICS INC.
2337 TROUTDALE DRIVE
AGOURA, CALIFORNIA 91301
(818) 597-0600

DATE: FEBRUARY 20, 2009

| | REPORT BODY | APPENDICES | | | | | TOTAL |
|---|---|---|---|---|---|---|---|
| | | ***A*** | ***B*** | ***C*** | ***D*** | ***E*** | |
| PAGES | 17 | 2 | 2 | 2 | 13 | 25 | **61** |

# TABLE OF CONTENTS

## LIST OF APPENDICES

| APPENDIX | TITLE |
|---|---|
| A | Laboratory Accreditations |
| B | Modifications to the EUT |
| C | Additional Models Covered Under This Report |
| D | Diagrams, Charts and Photos<br>• Test Setup Diagrams<br>• Antenna and Amplifier Gain Factors<br>• Radiated Emissions Photos |
| E | Data Sheets |

## LIST OF FIGURES

| FIGURE | TITLE |
|---|---|
| 1 | Plot Map And Layout of Test Site |

# GENERAL REPORT SUMMARY

This electromagnetic emission report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced in any form except in full, without the written permission of Compatible Electronics.

This report must not be used to claim product endorsement by NVLAP, NIST or any other agency of the U.S. Government.

Device Tested: FM Transmitter
Model Number: ICPW-300
SN: None

Product Description: This is an FM Transmitter.

Modifications: The EUT was not modified during the testing.

Manufacturer: Ever Win International Corp.
9504 Topanga Canyon Blvd
Chatsworth, CA 91311

Test Dates: February 12 & 16 & Apr. 29, 2009

Test Specifications: EMI requirements
FCC CFR Title 47, Part 15 Subpart A, B and C sections 15.31 (e), 15.109, 15.205, 15.209 and 15.239
RSS-210 Issue 7 dated June 2007
Test Procedure: ANSI C63.4: 2003.

**Industry Canada Lab Code 2154B-1**

# SUMMARY OF TEST RESULTS

| TEST | DESCRIPTION | RESULTS |
|---|---|---|
| 1 | Conducted RF Emissions, 150 kHz - 30 MHz. | This is a DC powered device that does not plug into AC Mains therefore this test was deemed unnecessary. |
| 2 | Radiated RF Emissions, 9 kHz – 1079 MHz. | Complies with the limits of FCC CFR Title 47, Part 15 Subpart C 15.205, 15.209 and 15.239 and the requirements of 15.31(e) and RSS-210 Issue 7 dated June 2007 Highest Reading in relation to spec. limit: 35.1 dBuV/m @ 98.1 MHz (*$u_c$ = 2.81dB) |

## 1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the FM Transmitter Model Number: ICPW-300. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4: 2003. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the specification limits defined in FCC CFR Title 47, Part 15 Subpart A (15.31e), Subpart B, 15.109 Subpart C 15.205, 15.209 and 15.239 and RSS-210 Issue 7 dated June 2007.

# 2. ADMINISTRATIVE DATA

## 2.1 Location of Testing

The EMI tests described herein were performed at the test facility of Compatible Electronics, 2337 Troutdale Drive, Agoura, California 91301.

## 2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

## 2.3 Cognizant Personnel

Ever Win International Corp.

| | |
|---|---|
| Alex Samson | R & D Engineer |

Compatible Electronics Inc.

| | |
|---|---|
| Reynald O. Ramirez | Sr. Test Engineer |
| Ruby A. Hall | Lab Manager |

## 2.4 Date Test Sample was Received

The test sample was received on February 12, 2009.

## 2.5 Disposition of the Test Sample

The test sample remains at Compatible Electronics Inc.

## 2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

| | |
|---|---|
| RF | Radio Frequency |
| EMI | Electromagnetic Interference |
| EUT | Equipment Under Test |
| P/N | Part Number |
| S/N | Serial Number |
| HP | Hewlett Packard |
| ITE | Information Technology Equipment |
| CML | Corrected Meter Limit |
| LISN | Line Impedance Stabilization Network |

## 3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this EMI Test Report.

| SPEC | TITLE |
|---|---|
| FCC CFR Title 47, Subpart C<br>Subpart B<br><br>Subpart A | FCC Rules – Intentional Radiators.<br><br>FCC Rules - Unintentional Radiators<br><br>General |
| CISPR 16 1993 | Specification for radio disturbance and immunity measuring apparatus and methods. |
| ANSI C63.4 2003 | Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz. |
| RSS-210 Issue 7 dated June 2007 | General Requirements and Information for the Certification of Radiocommunication Equipment |

# 4. DESCRIPTION OF TEST CONFIGURATION

## 4.1 Description of Test Configuration - EMI

The EUT was set-up in a tabletop configuration. The EUT was connected to an Ipod MP3 Player via the dock connector port and a laptop computer via the USB port. The volume on the Ipod MP3 Player was set at its maximum level. The EUT was continuously transmitting in this mode throughout the test. The output was monitored through a receiver which was located with the EUT. The EUT transmitting antenna is a fixed element; which connects directly to the PCB board.

The highest emissions were found when the EUT was running in the above configuration. The EUT was tested in X, Y and Z axis even though it is intended for use in a dashboard mounted cigarette lighter port. The cables were moved to maximize the emissions. The final radiated data was taken in this mode of operation. All initial investigations were performed with the Spectrum Analyzer in manual mode scanning the frequency range continuously. The cables were routed as shown in the photographs in Appendix D.

### 4.1.1 Photograph of Test Configuration - EMI

### 4.1.2 Cable Construction and Termination

Cable 1

This is a 1.5 meter shielded cable that connects the laptop computer to the EUT. The cable has a USB A connector on the laptop end and a USB mini B on the EUT end. The cable was bundled to a length of 1 meter. The shield of the cable was grounded to the chassis via the connectors.

# 5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

## 5.1 EUT and Accessory List

| # | EQUIPMENT TYPE | MANUFACTURER | MODEL | SERIAL NUMBER |
|---|---|---|---|---|
| 1 | FM TRANSMITTER (EUT) | EVER WIN INTERNATIONAL CORP. | ICPW-300 | S/N: NONE<br>FCC ID: RJE178065-00 |
| 2 | MP3 PLAYER | IPOD | NANO | NONE |
| 3 | LAPTOP COMPUTER | DELL | T23 TYPE 2647-6GU | 78-ZL3KT |
| 4 | LAPTOP POWER SUPPLY | DELL | P/N: 02K6661 | NONE |

## 5.2 EMI Test Equipment

| EQUIPMENT TYPE | MANU-FACTURER | MODEL NUMBER | SERIAL NUMBER | CAL. DATE | CAL. DUE DATE |
|---|---|---|---|---|---|
| Spectrum Analyzer | Hewlett Packard | 8566B | 2729A04566 | Jan. 13, 2009 | Jan. 13, 2010 |
| Quasi-Peak Adapter | Hewlett Packard | 85650A | 2521A00682 | Jan. 13, 2009 | Jan. 13, 2010 |
| S.A. Display | Hewlett Packard | 85662A | 2810A15687 | Jan. 13, 2009 | Jan. 13, 2010 |
| Preamplifier | Com Power | PA-103 | 1619 | Oct. 22, 2009 | Oct. 22, 2010 |
| Biconical Antenna | Com Power | AB-900 | 15283 | Oct. 21, 2008 | Oct. 21, 2009 |
| Log Periodic Antenna | Com Power | AL-100 | 16200 | Oct. 21, 2008 | Oct. 21, 2009 |
| Loop Antenna | Com-Power | AL-130 | 17067 | Sep. 29, 2008 | Sep. 29, 2009 |
| Horn Antenna | A.R.A. | DRG-118A | 1015 | Jul. 31, 2008 | Jul. 31, 2010 |
| Microwave Amplifier | Com-Power | PA-122 | 2119 | Feb. 05, 2009 | Feb. 05, 2010 |
| Antenna Mast | Com Power | AM-400 | N/A | N/A | N/A |
| Turntable | Com Power | TTW-595 | N/A | N/A | N/A |
| Computer | Hewlett Packard | Pavilion 4530 | US91912022 | N/A | N/A |
| Printer | Hewlett Packard | C6427B | MY066160TW | N/A | N/A |
| Radiated Emissions Test Software | Compatible Electronics | VCAP1A | N/A | N/A | N/A |

# 6. TEST SITE DESCRIPTION

## 6.1 Test Facility Description

Please refer to section 2.1 and 7.1.2 of this report for EMI test location.

## 6.2 EUT Mounting, Bonding and Grounding

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was not grounded.

# 7. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

## 7.1 RF Emissions

### 7.1.1 Conducted Emissions Test

The EUT is DC powered and does not connect to AC Mains therefore this test was deemed unnecessary.

The Spectrum Analyzer was used as a measuring meter. The data was collected with the Spectrum Analyzer in the peak detect mode with the "Max Hold" feature activated. The quasi-peak was used only where indicated in the data sheets. A 10 dB attenuation pad was used for the protection of the Spectrum Analyzer input stage, and the Spectrum Analyzer offset was adjusted accordingly to read the actual data measured. The LISN output was read by the Spectrum Analyzer. The output of the second LISN was terminated by a 50 ohm termination. The effective measurement bandwidth used for the conducted emissions test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI C63.4. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The initial test data was taken in manual mode while scanning the frequency ranges of 150 kHz to 1.6 MHz, 1.6 MHz to 5 MHz and 5 MHz to 30 MHz. The conducted emissions from the EUT were maximized for operating mode as well as cable placement. Once a predominant frequency (within 12 dB of the limit) was found, it was more closely examined with the Spectrum Analyzer span adjusted to 1 MHz.

### 7.1.2 Radiated Emissions Test

The Spectrum Analyzer was used as the measuring meter. A preamplifier was used to increase the sensitivity of the instrument. The Spectrum Analyzer was used in the Analyzer mode feature activated. In this mode, the Spectrum analyzer can then record the actual frequency to be measured. This final reading is then taken accurately in the Spectrum Analyzer mode, which takes into account the cable loss, amplifier gain and antenna factors, so that a true reading is compared to the true limit. A quasi-peak reading was taken only for those readings, which are marked accordingly on the data sheets. The effective measurement bandwidth used for the radiated emissions test was according to the frequency measured (120 kHz for 30 MHz to 1 GHz and above 1 GHz a 1 MHz bandwidth was used).

Broadband loop,biconical, log periodic and horn antennas were used as transducers during the measurement. The biconical antenna was used from 30 MHz to 300 MHz and the log periodic antenna was used from 300 MHz to 1000 MHz. The horn antenna was used for frequencies above 1 GHz. and the loop antenna was used below 30 MHz. The final data was taken with a frequency span of 1 MHz. Furthermore, the frequency span was reduced during the preliminary investigations as deemed necessary.

In the frequency range of 9kHz to 30MHz, a calibrated loop antenna was used and positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The loop antenna was also positioned horizontally at the specified distance from the EUT. The center of the loop shall be 1 m above the ground.

The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength).

The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT. The EUT was tested at a 3-meter test distance from 30 MHz to 2 GHz to obtain final test data. The final test data is located in Appendix E.

### 7.1.3 RF Emissions Test Results

**The fundamental and up to the 10th harmonic emissions are within the specifications.**

EVER WIN INTERNATIONAL CORP.
FM Transmitter

**RADIATED EMISSIONS – SPURIOUS**

The Frequency Band from 9 kHz to 1079 MHz was specifically scanned. Please see data in Appendix E.

**RADIATED EMISSION – BAND EDGE 15.239 (a)**

The emission from the intentional radiator are confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band lies wholly within the frequency range of 88-108 MHz. See Appendix E for the plots.

### 7.1.4 Sample Calculations

A correction factor for the antenna, cable and a distance factor (if any) must be applied to the meter reading before a true field strength reading can be obtained. This Corrected Meter Reading is then compared to the specification limit in order to determine compliance with the limits.

The equation can be derived in the following manner:

Specification limit (μV/m) log x 20 = Specification Limit in dBuV

(Specification distance / test distance) log x 40 = distance factor

Note: When using an Active Antenna, the Antenna factor shall be subtracted due to the combination of the internal amplification and antenna loss. At lower frequencies the cable loss is negligible.

OR

Corrected Meter Reading = meter reading + F – A + C

where: F = antenna factor
A= amplifier gain
C = cable loss

The correction factors for the antenna and the amplifier gain are attached in Appendix D of this report. The data sheets are attached in Appendix E.

The distance factor D is 0 when the test is performed at the required specification distance.

Average Measurements

The frequencies that were averaged were done manually by narrowing the video filter down to 10 Hz and setting the sweep time to AUTO on the EMI Receiver to keep the amplitude reading calibrated.

## 8. TEST PROCEDURE DEVIATIONS

There were no deviations from the test procedures.

## 9. CONCLUSIONS

The FM Transmitter Model Number: ICPW-300 meets all of the requirements of the FCC CFR, Title 47, Part 15 Subpart A, Section 15.31(e), Subpart B 15.109, Subpart C 15.205, 15.207, 15.209 and 15.239 and RSS-210 Issue 7 dated June 2007.

# APPENDIX A

# *LABORATORY ACCREDITATIONS*

# LABORATORY ACCREDITATIONS AND RECOGNITIONS

NVLAP CODES 200063-0, 200528-0, 200527-0

For US, Canada, Australia/New Zealand, Taiwan and the European Union, Compatible Electronics is currently accredited by NVLAP to ISO/IEC 17025 an ISO 9002 equivalent. Please follow the link to the NIST site for each of our facilities NVLAP certificate and scope of accreditation.

Silverado/Lake Forest Division: http://ts.nist.gov/ts/htdocs/210/214/scopes/2005270.htm
Brea Division: http://ts.nist.gov/ts/htdocs/210/214/scopes/2005280.htm
Agoura Division: http://ts.nist.gov/ts/htdocs/210/214/scopes/2000630.htm

Compatible Electronics has been accredited by ANSI and appointed by the FCC to serve as a Telecommunications Certification Body (TCB). Compatible Electronics ANSI TCB listing can be found at: http://www.ansi.org/public/ca/ansi_cp.html

Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for EMC under the US/EU Mutual Recognition Agreement (MRA). Compatible Electronics NIST US/EU CAB listing can be found at: http://ts.nist.gov/ts/htdocs/210/gsig/emc-cabs-mar02.pdf

Compatible Electronics has been nominated as a Conformity Assessment Body (CAB) for Taiwan/BSMI under the US/APEC (Asia-Pacific Economic Cooperation) Mutual Recognition Agreement (MRA). Compatible Electronics NIST US/APEC CAB listing can be found at: http://ts.nist.gov/ts/htdocs/210/gsig/apec/bsmi-cabs-may02.pdf

World Wide Market Access with Nemko

Compatible Electronics has been validated by NEMKO against ISO/IEC 17025 under the NEMKO EMC Laboratory Authorization (ELA) program to all EN standards required by the European Union (EU) EMC Directive 2004/108/EC. Please follow the link to the Compatible Electronics' web site for each of our facilities NEMKO ELA certificate and scope of accreditation. http://www.celectronics.com/certs.htm

We are also certified/listed for IT products by the following country/agency:

Compatible Electronics VCCI listing can be found at:
http://www.vcci.or.jp/vcci_e/member/tekigo/setsubi_index_id.html

Just type "Compatible Electronics" into the Keyword search box.

Compatible Electronics FCC listing can be found at:
https://gullfoss2.fcc.gov/prod/oet/index_ie.html

Just type "Compatible Electronics" into the Test Firms search box.

Industry Canada Industrie Canada

Compatible Electronics IC listing can be found at:
http://spectrum.ic.gc.ca/~cert/labs/oats_lab_c_e.html

# APPENDIX B

# *MODIFICATIONS TO THE EUT*

# MODIFICATIONS TO THE EUT

There were no modifications made to the EUT during the test.

# APPENDIX C

## *ADDITIONAL MODELS COVERED UNDER THIS REPORT*

# ADDITIONAL MODELS COVERED UNDER THIS REPORT

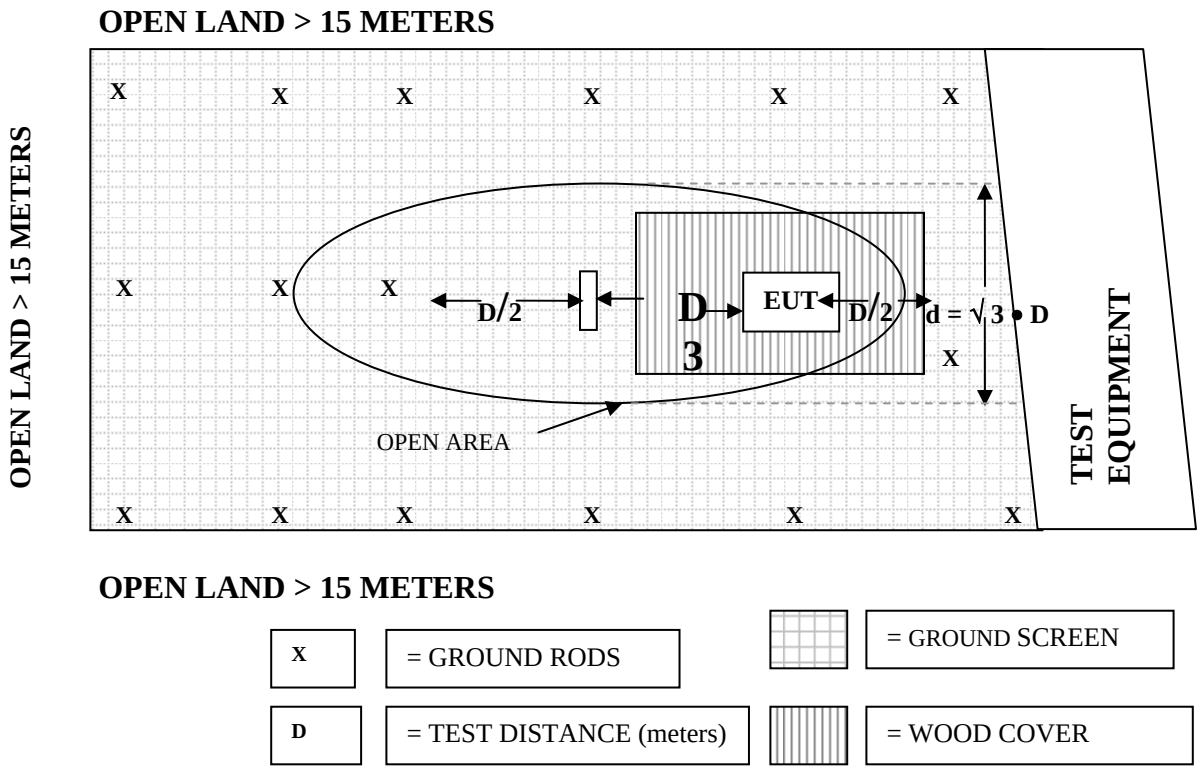
| | |
|---|---|
| USED FOR THE PRIMARY TEST | FM TRANSMITTER<br>M/N: ICPW-300<br>S/N: NONE |

There were no additional models covered under this report.

# APPENDIX D

# *DIAGRAMS, CHARTS AND PHOTOS*

# *FIGURE 1: PLOT MAP AND LAYOUT OF RADIATED SITE*



# COM-POWER AL-130

# ACTIVE LOOP ANTENNA

# S/N: 17067

# CALIBRATION DATE: SEPTEMBER 29, 2008

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|---|---|---|---|
| 0.009 | 10.53 | 1 | 10.47 |
| 0.01 | 9.94 | 2 | 10.80 |
| 0.02 | 9.57 | 3 | 10.50 |
| 0.03 | 11.14 | 4 | 10.40 |
| 0.04 | 10.84 | 5 | 11.00 |
| 0.05 | 9.40 | 6 | 11.10 |
| 0.06 | 10.00 | 7 | 11.80 |
| 0.07 | 9.80 | 8 | 10.60 |
| 0.08 | 9.50 | 9 | 10.80 |
| 0.09 | 9.67 | 10 | 10.7 |
| 0.1 | 9.67 | 15 | 9.73 |
| 0.2 | 7.30 | 20 | 10.40 |
| 0.3 | 9.77 | 25 | 9.30 |
| 0.4 | 9.70 | 30 | 8.60 |
| 0.5 | 9.80 | | |
| 0.6 | 10.17 | | |
| 0.7 | 9.97 | | |
| 0.8 | 10.07 | | |
| 0.9 | 10.14 | | |

# COM-POWER AB-900

# BICONICAL ANTENNA

# S/N: 15283

# CALIBRATION DATE: OCT. 21, 2008

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|---|---|---|---|
| 30 | 10.90 | 120 | 11.90 |
| 35 | 9.40 | 125 | 11.58 |
| 40 | 8.80 | 140 | 10.60 |
| 45 | 9.30 | 150 | 10.80 |
| 50 | 8.20 | 160 | 11.00 |
| 55 | 7.90 | 175 | 14.30 |
| 60 | 7.60 | 180 | 15.40 |
| 65 | 7.10 | 200 | 15.70 |
| 70 | 6.60 | 225 | 15.25 |
| 80 | 5.30 | 250 | 14.80 |
| 90 | 5.70 | 275 | 18.80 |
| 100 | 9.30 | 300 | 18.50 |

# COM-POWER AL-100

# LOG PERIODIC ANTENNA

# S/N: 16200

# CALIBRATION DATE: OCT. 21, 2008

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|---|---|---|---|
| 300 | 17.50 | 650 | 20.20 |
| 330 | 17.80 | 700 | 20.30 |
| 340 | 17.90 | 725 | 20.60 |
| 350 | 18.00 | 750 | 20.90 |
| 360 | 18.10 | 800 | 21.50 |
| 370 | 18.20 | 850 | 21.80 |
| 400 | 18.50 | 900 | 22.10 |
| 425 | 18.95 | 925 | 22.50 |
| 450 | 19.40 | 950 | 22.90 |
| 500 | 20.30 | 975 | 23.30 |
| 550 | 20.20 | 1000 | 23.70 |
| 600 | 20.10 | | |

# COM-POWER PA-103

# PREAMPLIFIER

# S/N: 1619

# CALIBRATION DATE: OCT. 22, 2008

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|---|---|---|---|
| 30 | 31.5 | 300 | 31.3 |
| 40 | 31.5 | 350 | 31.1 |
| 50 | 31.5 | 400 | 31.4 |
| 60 | 31.4 | 450 | 30.9 |
| 70 | 31.5 | 500 | 31.2 |
| 80 | 31.5 | 550 | 30.9 |
| 90 | 31.5 | 600 | 30.7 |
| 100 | 31.4 | 650 | 31.1 |
| 125 | 31.5 | 700 | 30.5 |
| 150 | 31.6 | 750 | 30.5 |
| 175 | 31.3 | 800 | 30.7 |
| 200 | 31.6 | 850 | 30.0 |
| 225 | 31.5 | 900 | 30.4 |
| 250 | 31.5 | 950 | 30.1 |
| 275 | 31.2 | 1000 | 29.9 |

# COM-POWER PA-122

# PREAMPLIFIER

# S/N: 2119

# CALIBRATION DATE: FEBRUARY 5, 2009

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|---|---|---|---|
| 1000 | 32.90 | 7000 | 29.1 |
| 1100 | 33.06 | 7500 | 28.9 |
| 1200 | 32.83 | 8000 | 30.93 |
| 1300 | 32.78 | 8500 | 30.84 |
| 1400 | 32.13 | 9000 | 30.30 |
| 1500 | 32.13 | 10000 | 31.10 |
| 1600 | 32.06 | 12000 | 28.97 |
| 1700 | 32.23 | 14000 | 28.98 |
| 1800 | 32.46 | 16000 | 31.68 |
| 1900 | 32.04 | 18000 | 29.89 |
| 2000 | 32.52 | 20000 | 29.11 |
| 2500 | 31.84 | 22000 | 29.19 |
| 3000 | 31.56 | | |
| 3500 | 31.05 | | |
| 4000 | 30.54 | | |
| 4500 | 30.14 | | |
| 5000 | 30.08 | | |
| 5500 | 29.06 | | |
| 6000 | 29.62 | | |
| 6500 | 29.67 | | |

# DRG-118/A

# DOUBLE RIDGE HORN ANTENNA

## S/N: 1015

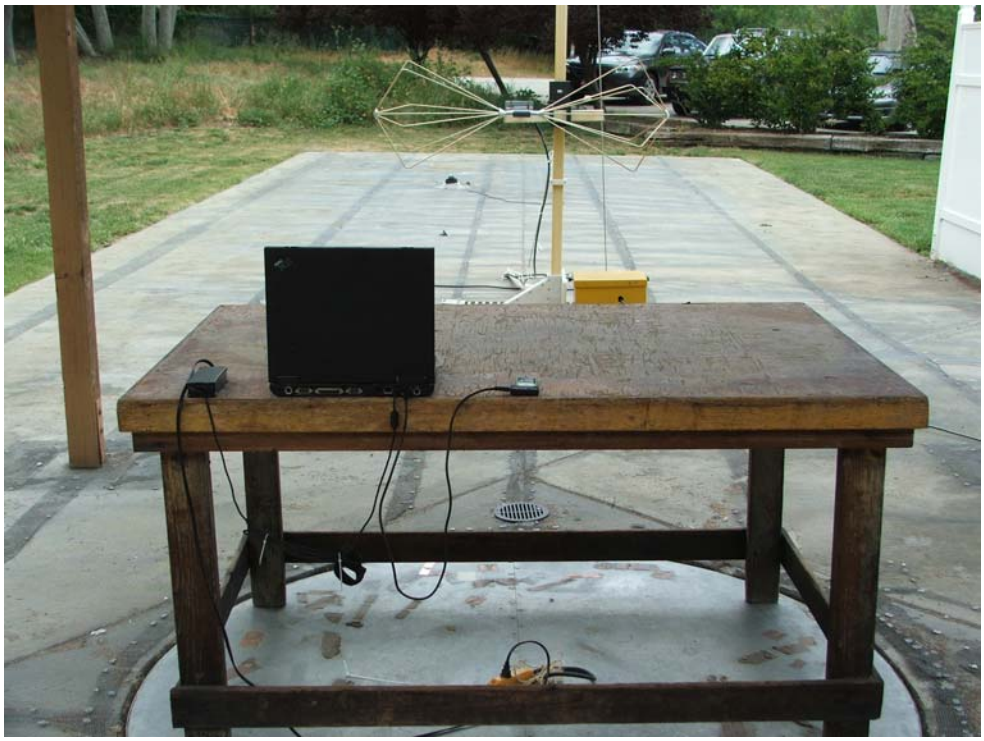
## CALIBRATION DATE: JULY 31, 2008

| FREQUENCY (MHz) | FACTOR (dB) | FREQUENCY (MHz) | FACTOR (dB) |
|---|---|---|---|
| 1000 | 24.2 | 10000 | 39.1 |
| 1500 | 25.1 | 10500 | 40.0 |
| 2000 | 27.8 | 11000 | 39.5 |
| 2500 | 28.3 | 11500 | 39.9 |
| 3000 | 30.3 | 12000 | 40.1 |
| 3500 | 30.4 | 12500 | 40.9 |
| 4000 | 30.7 | 13000 | 39.7 |
| 4500 | 31.2 | 13500 | 40.5 |
| 5000 | 33.1 | 14000 | 41.2 |
| 5500 | 33.3 | 14500 | 42.8 |
| 6000 | 33.9 | 15000 | 41.8 |
| 6500 | 34.7 | 15500 | 38.8 |
| 7000 | 36.8 | 16000 | 39.1 |
| 7500 | 38.0 | 16500 | 39.1 |
| 8000 | 40.6 | 17000 | 41.0 |
| 8500 | 37.8 | 17500 | 43.5 |
| 9000 | 37.8 | 18000 | 45.0 |
| 9500 | 38.7 | | |

**FRONT VIEW**

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C - RADIATED EMISSIONS – 4-29-09

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



**REAR VIEW**

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C - RADIATED EMISSIONS – 4-29-09

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS


**X AXIS**

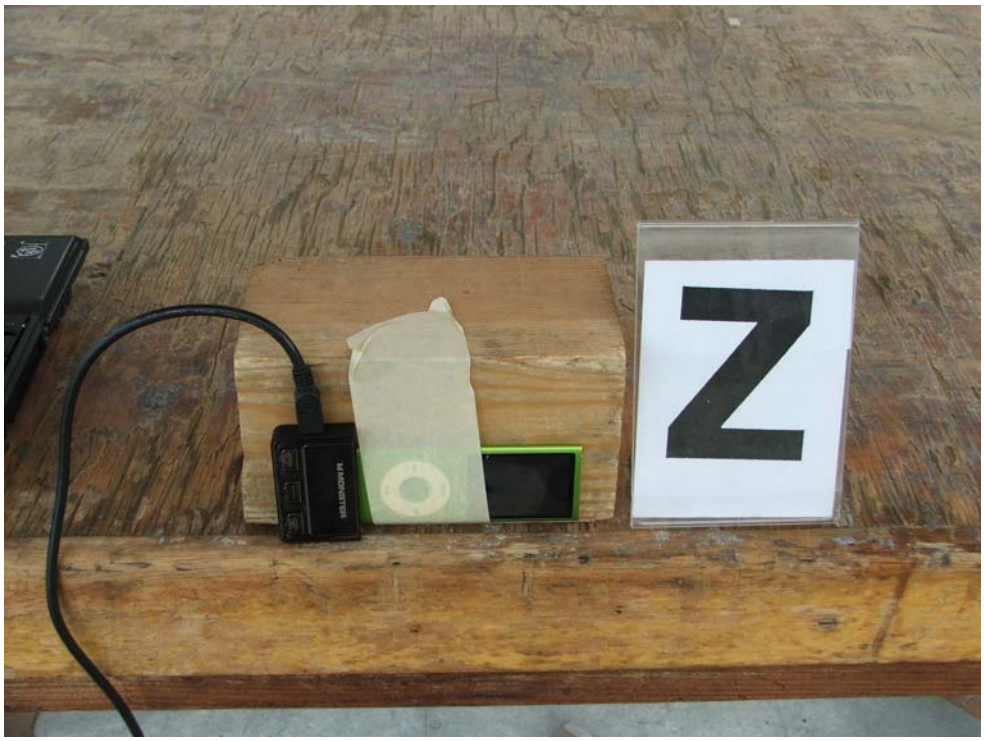
EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C - RADIATED EMISSIONS – 4-29-09

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION


**Y AXIS**

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C - RADIATED EMISSIONS – 4-29-09

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION



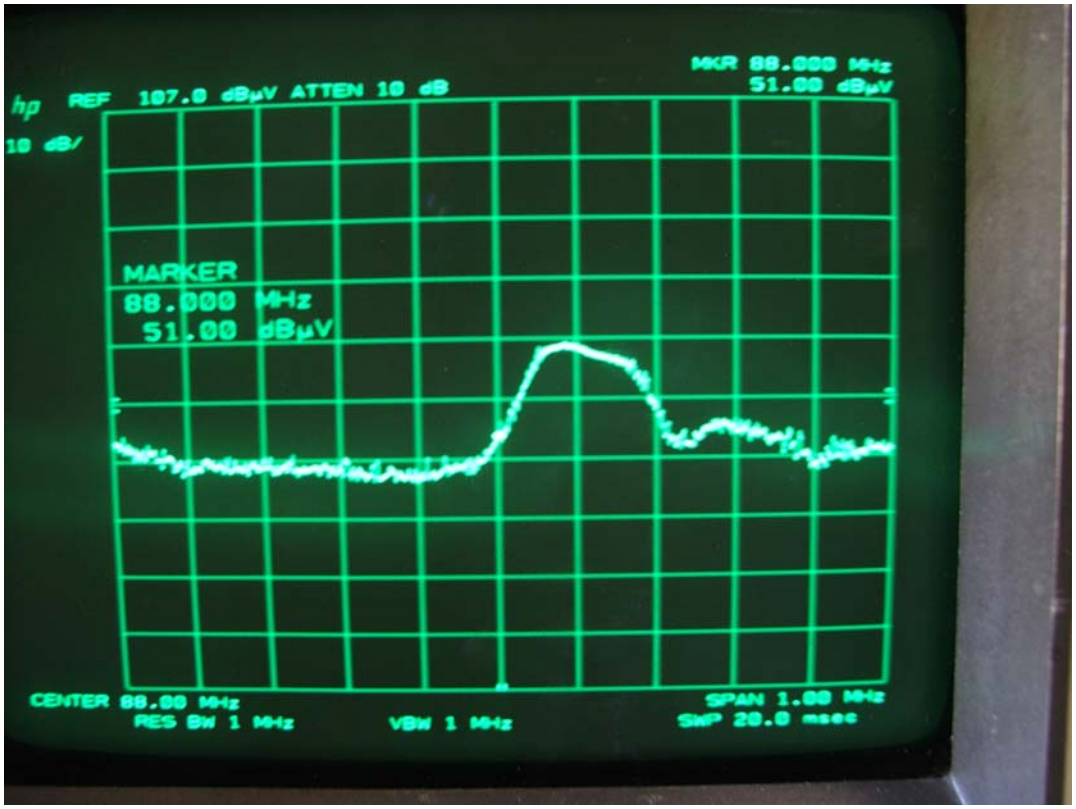

**Z AXIS**

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C - RADIATED EMISSIONS – 4-29-09

## PHOTOGRAPH SHOWING THE EUT CONFIGURATION

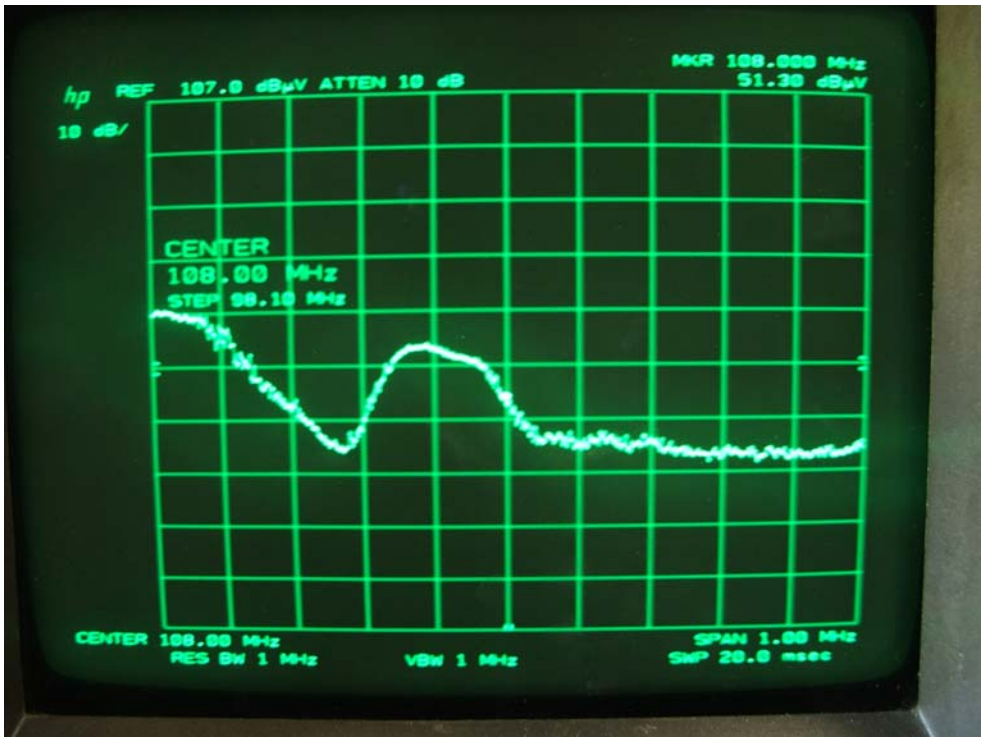
# APPENDIX E

# *DATA SHEETS*



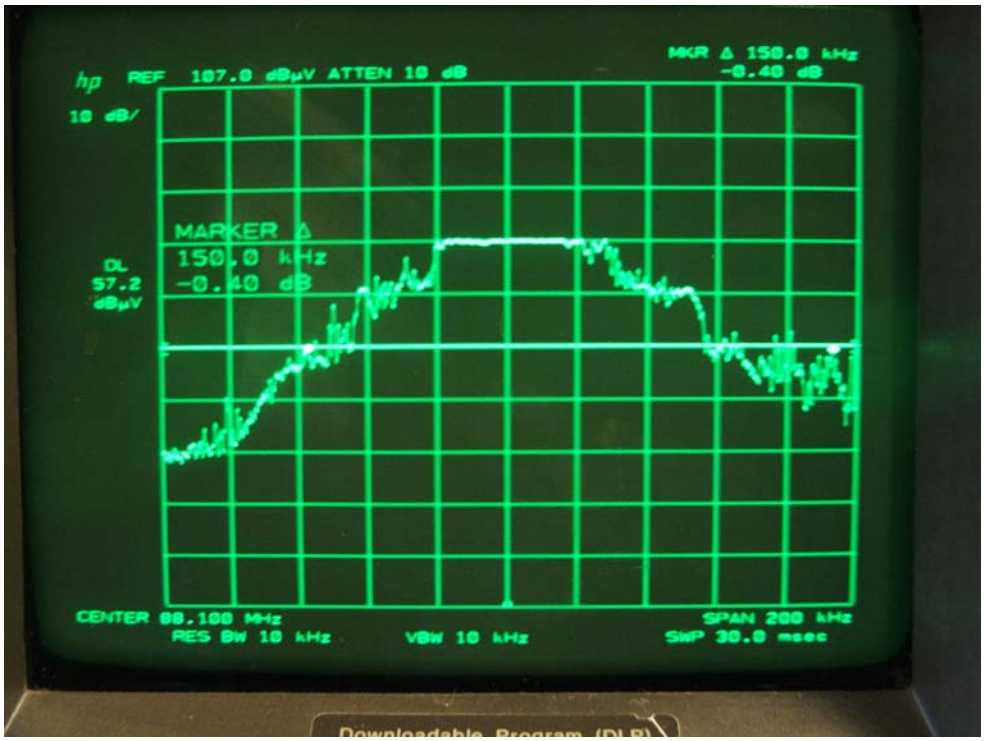

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C – BAND EDGE 88 MHz

## PHOTOGRAPH SHOWING THE LOWER BAND EDGE



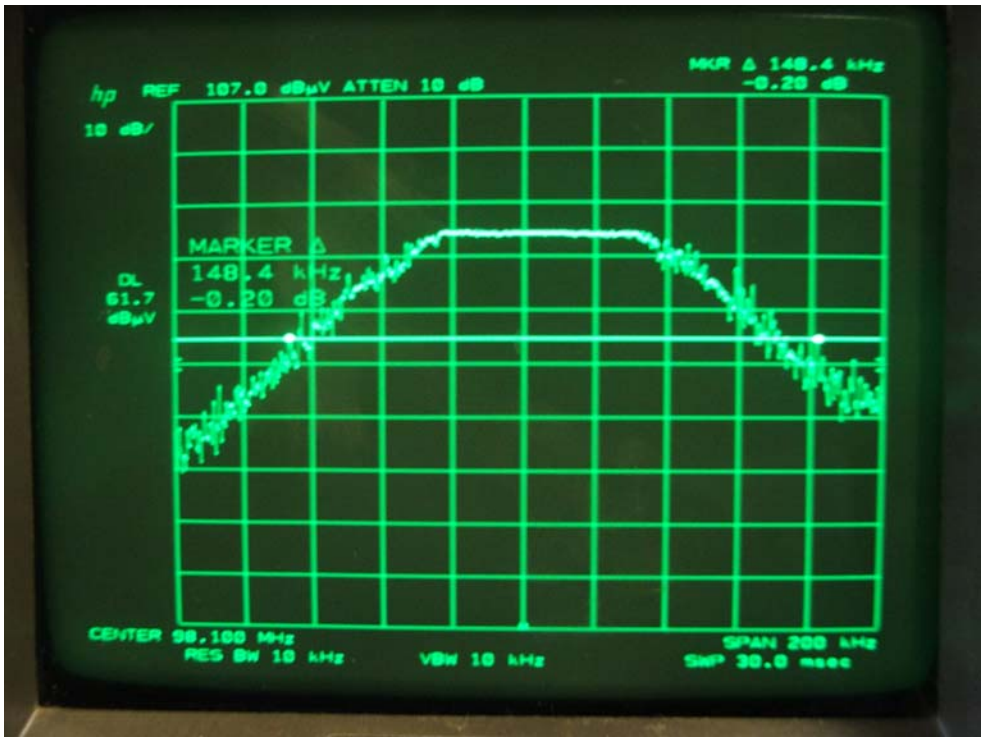

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C – BAND EDGE 108 MHz

## PHOTOGRAPH SHOWING THE UPPER BAND EDGE



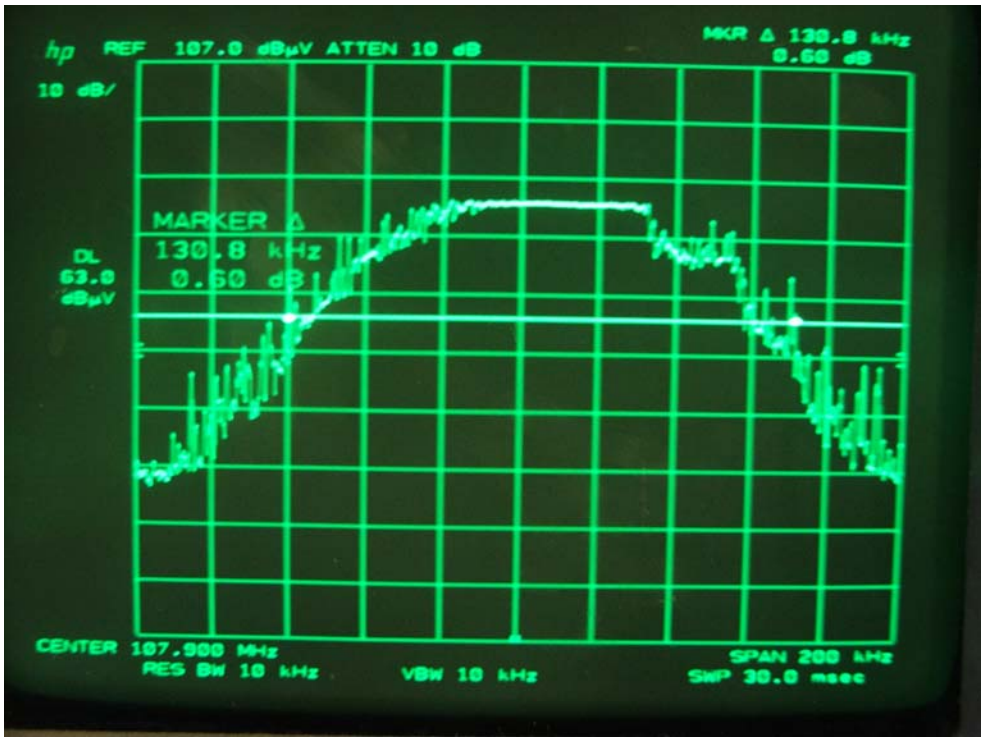

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C – 15.239 (a)

**PHOTOGRAPH SHOWING THE LOW CHANNEL**
**88.1 MHz 150 kHz**



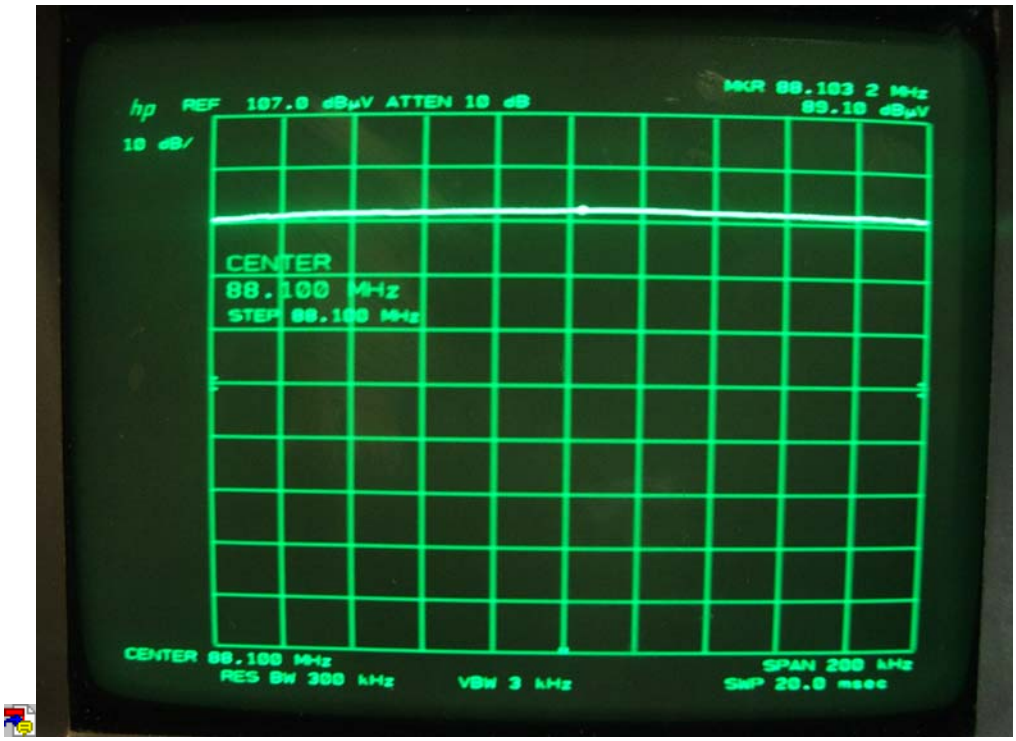

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C – 15.239 (a)

**PHOTOGRAPH SHOWING THE MID CHANNEL**
**98.1 MHz 148.4 kHz**



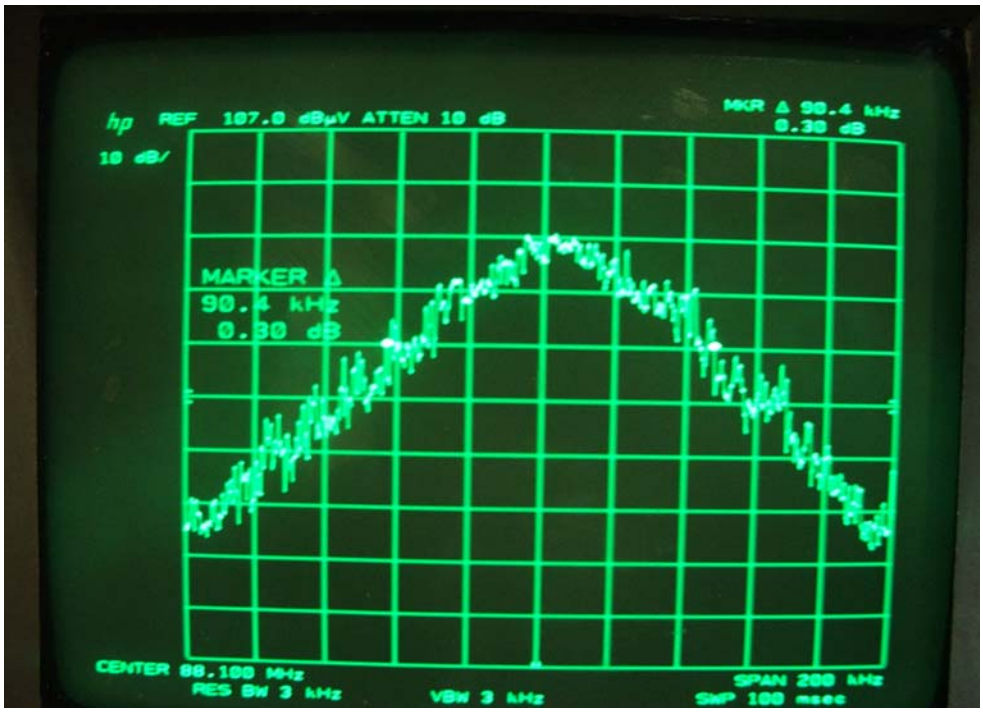

EVER WIN INTERNATIONAL CORP.
FM TRANSMITTER
MODEL: ICPW-300
FCC PART 15 SUBPART C – 15.239 (a)

**PHOTOGRAPH SHOWING THE UPPER CHANNEL**
**107.9 MHz 130.8 kHz**



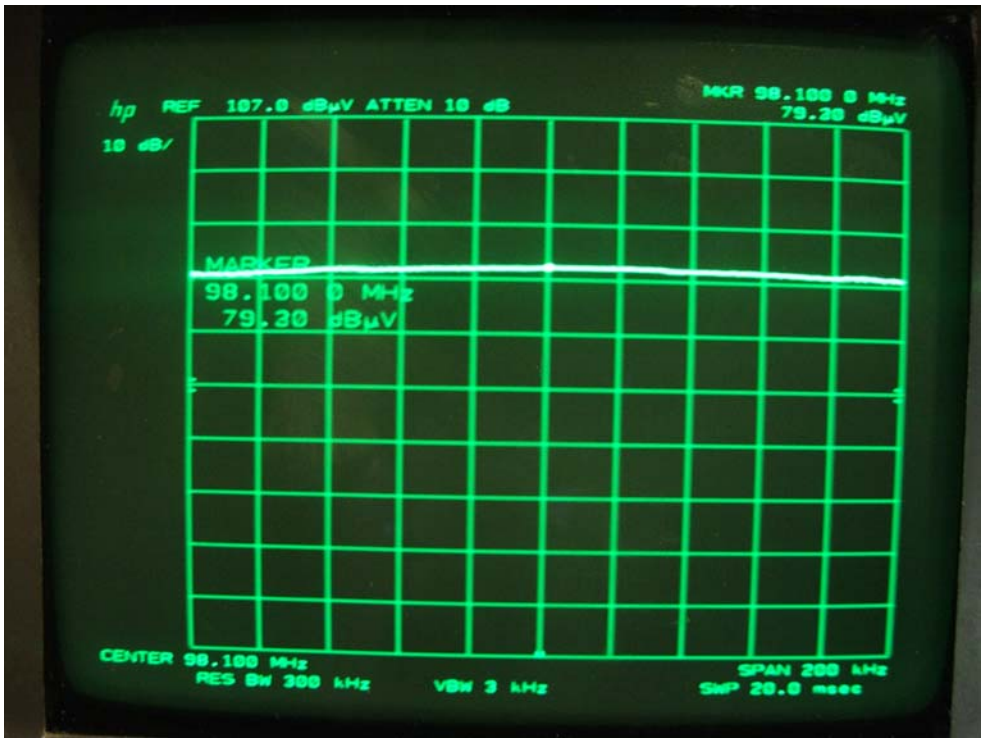

EVER WIN INTERNATIONAL CORP.
FM MODULATOR
MODEL: ICPW-300
RSS-210 ISSUE 7 DATED JUNE 2007

**PHOTOGRAPH SHOWING THE LOW CHANNEL**



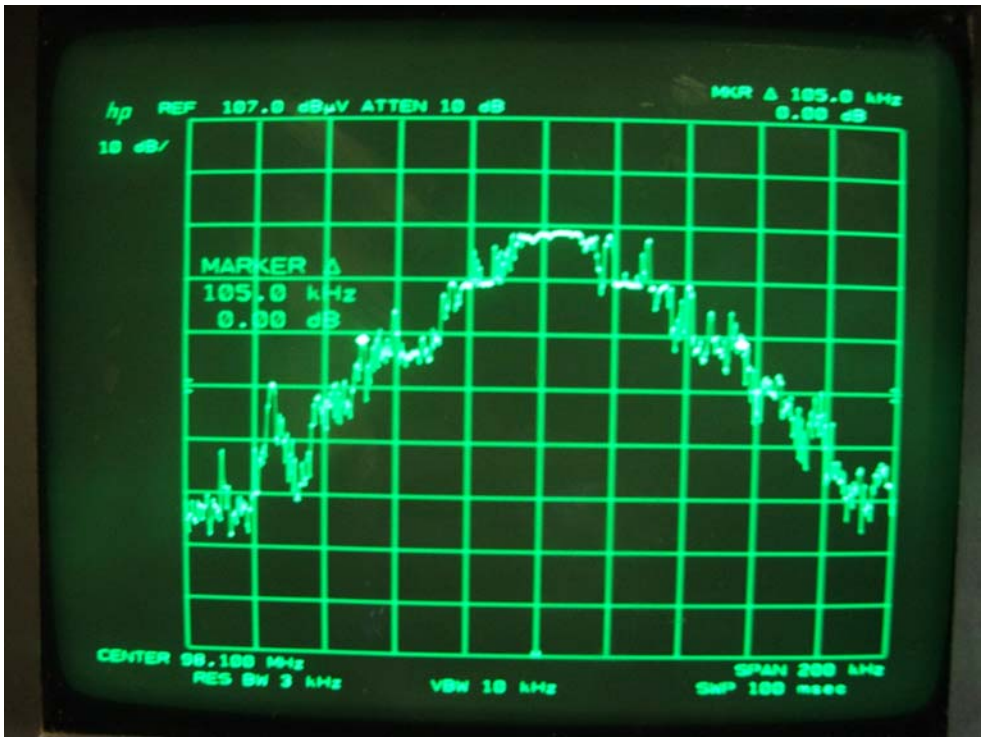

EVER WIN INTERNATIONAL CORP.
FM MODULATOR
MODEL: ICPW-300
RSS-210 ISSUE 7 DATED JUNE 2007

## PHOTOGRAPH SHOWING THE LOW CHANNEL



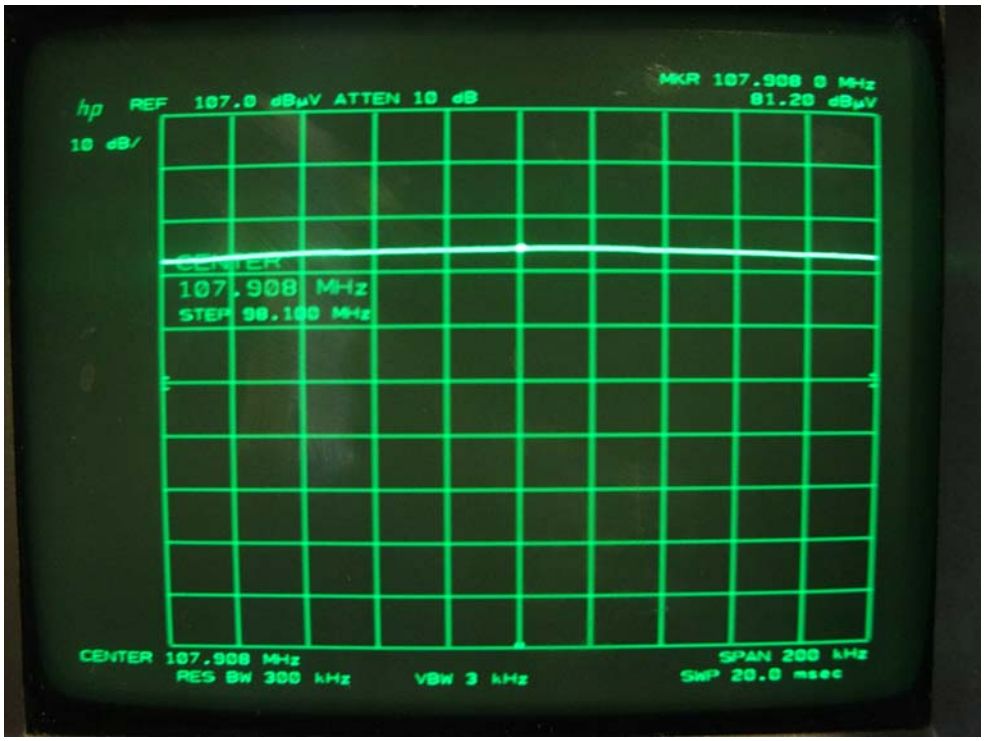

EVER WIN INTERNATIONAL CORP.
FM MODULATOR
MODEL: ICPW-300
RSS-210 ISSUE 7 DATED JUNE 2007

## PHOTOGRAPH SHOWING THE MID CHANNEL



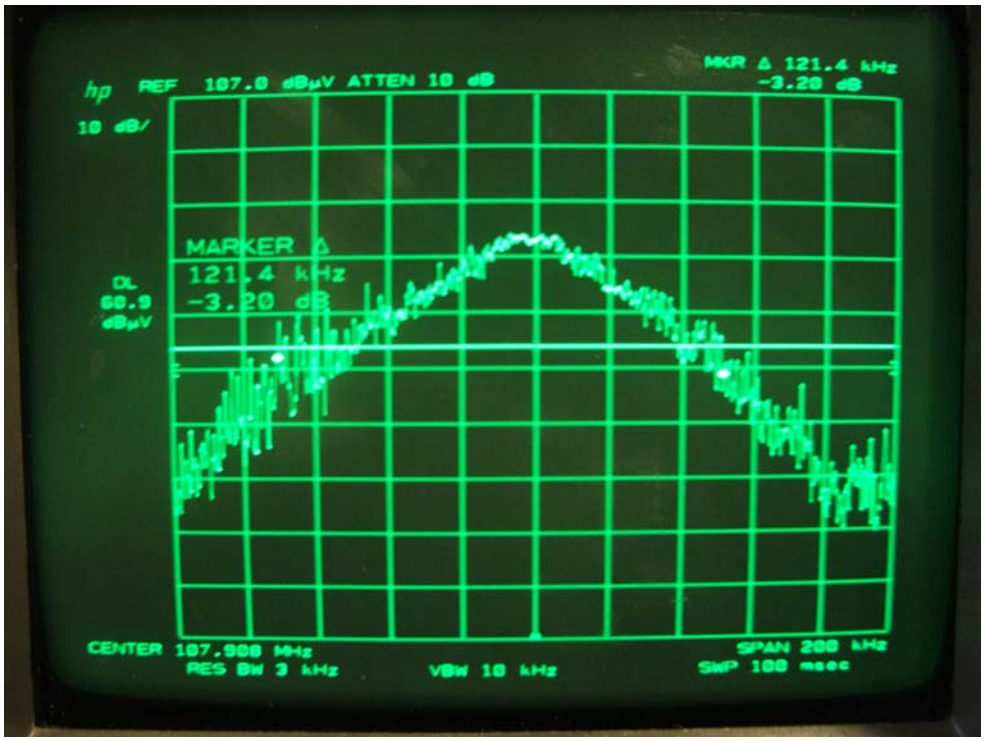

EVER WIN INTERNATIONAL CORP.
FM MODULATOR
MODEL: ICPW-300
RSS-210 ISSUE 7 DATED JUNE 2007

## PHOTOGRAPH SHOWING THE MID CHANNEL




EVER WIN INTERNATIONAL CORP.
FM MODULATOR
MODEL: ICPW-300
RSS-210 ISSUE 7 DATED JUNE 2007

## PHOTOGRAPH SHOWING THE MID CHANNEL




EVER WIN INTERNATIONAL CORP.
FM MODULATOR
MODEL: ICPW-300
RSS-210 ISSUE 7 DATED JUNE 2007

## PHOTOGRAPH SHOWING THE MID CHANNEL

**COMPATIBLE ELECTRONICS**

| | | | |
|---|---|---|---|
| **Test Location** | : Compatible Electronics | **Page** | : 1/1 |
| **Customer** | : Alex Samson | **Date** | : 04/29/2009 |
| **Manufacturer** | : Ever Win International | **Time** | : 09:36:33 AM |
| **Eut name** | : FM Transmitter | **Lab** | : F |
| **Model** | : ICPW-300 | **Test Distance** | : 3.00 Meters |
| **Serial #** | : N/A | | |
| **Specification** | : FCC Pt. 15- Class B | | |

**Distance correction factor (20 * log(test/spec))** : 0.00

**Test Mode** : Band Edge

| Pol | Freq | Reading | Cable loss | Antenna factor | Amplifier gain | Corr'd rdg = R | Limit = L | Delta R-L |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dB | dB | dBuV/m | dBuV/m | dB |
| 1V | 88.000 | 51.00 | 3.86 | 5.62 | 31.50 | 28.98 | 40.00 | -11.02 |
| 2V | 108.000 | 51.30 | 4.07 | 10.40 | 31.43 | 34.33 | 43.50 | -9.17 |

# *RADIATED EMISSIONS*

**COMPANY NAME**: Ever Win International **DATE**: 2/16/09

**EUT**: FM Transmitter **EUT S/N**:

**EUT MODEL:** ICP-300 **LOCATION:** ☐ BREA ☐ SILVERADO **XX** AGOURA

**SPECIFICATION**:FCC 15.239 **CLASS**: **TEST DISTANCE**: 3 **LAB**: F

**ANTENNA**: ● LOOP ☐ BICONICAL ☐ LOG ☐ HORN **POLARIZATION**: ☐ VERT ☐ HORIZ

● QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT ☐ **ENGINEER**: R. Ramirez

NOTES: 9KHz-30MHz No Frequencies Found

| Frequency (kHz) | Peak Reading (dBuV) | Avg. ☐ Q.P. ☐ (dBuV) | Antenna Height (meters) | Azimuth (degrees) | Distance Factor (dB) | Antenna Gain (dB) | * Corrected Reading (dBuV) | Delta ** (dB) | Spec Limit (dBuV) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

*** CORRECTED READING** = METER READING - DISTANCE FACTOR - ANTENNA GAIN

**** DELTA** = CORRECTED READING - SPECIFICATION LIMIT

# COMPATIBLE ELECTRONICS

**Test Location** : Compatible Electronics
**Customer** : Alex Samson
**Manufacturer** : Ever Win International
**Eut name** : FM Transmitter
**Model** : ICPW-300
**Serial #** : N/A
**Specification** : FCC Pt. 15- Class B
**Distance correction factor (20 * log(test/spec))** : 0.00
**Test Mode** : Qualification
temp: 60F humid: 65%
Clocks: 7.60 MHz
Test Engineer: R. Ramirez

**Page** : 1/1
**Date** : 04/29/2009
**Time** : 09:57:24 AM
**Lab** : F
**Test Distance** : 3.00 Meters

| Pol | Freq | Reading | Cable loss | Antenna factor | Amplifier gain | Corr'd rdg = R | Limit = L | Delta R-L |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dB | dB | dBuV/m | dBuV/m | dB |
| 1V | 30.396 | 40.80 | 3.31 | 10.77 | 31.50 | 23.39 | 40.00 | -16.61 |
| 2V | 53.196 | 42.40 | 3.90 | 8.00 | 31.47 | 22.83 | 40.00 | -17.17 |
| 3V | 60.814 | 42.00 | 4.11 | 7.51 | 31.41 | 22.21 | 40.00 | -17.79 |
| 4V | 114.028 | 38.10 | 4.04 | 11.17 | 31.46 | 21.85 | 43.50 | -21.65 |
| 5V | 136.804 | 37.70 | 4.10 | 10.79 | 31.55 | 21.04 | 43.50 | -22.46 |
| 6V | 250.820 | 33.80 | 4.90 | 14.94 | 31.49 | 22.15 | 46.00 | -23.85 |
| 7V | 273.574 | 37.70 | 4.99 | 18.58 | 31.22 | 30.06 | 46.00 | -15.94 |
| 8H | 30.393 | 38.80 | 3.31 | 10.77 | 31.50 | 21.39 | 40.00 | -18.61 |
| 9H | 53.208 | 39.60 | 3.90 | 8.00 | 31.47 | 20.03 | 40.00 | -19.97 |
| 10H | 60.817 | 41.30 | 4.11 | 7.51 | 31.41 | 21.51 | 40.00 | -18.49 |
| 11H | 114.003 | 38.30 | 4.04 | 11.17 | 31.46 | 22.05 | 43.50 | -21.45 |
| 12H | 136.798 | 35.40 | 4.10 | 10.80 | 31.55 | 18.74 | 43.50 | -24.76 |
| 13H | 250.798 | 33.10 | 4.90 | 14.93 | 31.49 | 21.45 | 46.00 | -24.55 |
| 14H | 273.583 | 34.80 | 4.99 | 18.58 | 31.22 | 27.16 | 46.00 | -18.84 |
| 15V | 342.007 | 34.30 | 5.63 | 17.96 | 31.13 | 26.75 | 46.00 | -19.25 |
| 16V | 524.393 | 34.90 | 6.45 | 20.25 | 31.05 | 30.55 | 46.00 | -15.45 |
| 17V | 706.820 | 37.10 | 7.10 | 20.39 | 30.50 | 34.09 | 46.00 | -11.91 |
| 18H | 342.010 | 33.70 | 5.63 | 17.96 | 31.13 | 26.15 | 46.00 | -19.85 |
| 19H | 524.409 | 35.70 | 6.45 | 20.25 | 31.05 | 31.35 | 46.00 | -14.65 |
| 20H | 706.836 | 37.20 | 7.10 | 20.39 | 30.50 | 34.19 | 46.00 | -11.81 |

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **88.1000** | 41.2 | 38.0 A | V | 1.0 | 0 | X | LOW | 5.6 | 3.9 | 0.0 | 0.0 | 0.0 | **47.5** | **-0.5** | **48.0** | |
| **88.1000** | 40.9 | 36.9 A | V | 1.0 | 0 | Y | LOW | 5.6 | 3.9 | 0.0 | 0.0 | 0.0 | **46.3** | **-1.7** | **48.0** | |
| **88.1000** | 40.0 | 35.1 A | V | 1.0 | 0 | Z | LOW | 5.6 | 3.9 | 0.0 | 0.0 | 0.0 | **44.6** | **-3.4** | **48.0** | |
| **88.1000** | 39.5 | 34.5 A | H | 4.0 | 0 | X | LOW | 5.6 | 3.9 | 0.0 | 0.0 | 0.0 | **44.0** | **-4.0** | **48.0** | |
| **88.1000** | 40.6 | 35.0 A | H | 3.0 | 0 | Y | LOW | 5.6 | 3.9 | 0.0 | 0.0 | 0.0 | **44.5** | **-3.5** | **48.0** | |
| **88.1000** | 40.2 | 37.0 A | H | 2.0 | 0 | Z | LOW | 5.6 | 3.9 | 0.0 | 0.0 | 0.0 | **46.5** | **-1.5** | **48.0** | |
| **98.1000** | 39.5 | 35.1 A | V | 1.0 | 0 | X | MED. | 8.6 | 4.0 | 0.0 | 0.0 | 0.0 | **47.7** | **-0.3** | **48.0** | |
| **98.1000** | 38.8 | 33.3 A | V | 1.0 | 0 | Y | MED. | 8.6 | 4.0 | 0.0 | 0.0 | 0.0 | **45.9** | **-2.1** | **48.0** | |
| **98.1000** | 37.4 | 30.9 A | V | 1.0 | 0 | Z | MED. | 8.6 | 4.0 | 0.0 | 0.0 | 0.0 | **43.5** | **-4.5** | **48.0** | |
| **98.1000** | 35.8 | 26.9 A | H | 3.0 | 0 | X | MED. | 8.6 | 4.0 | 0.0 | 0.0 | 0.0 | **39.5** | **-8.5** | **48.0** | |
| **98.1000** | 36.6 | 28.1 A | H | 2.0 | 0 | Y | MED. | 8.6 | 4.0 | 0.0 | 0.0 | 0.0 | **40.7** | **-7.3** | **48.0** | |
| **98.1000** | 36.4 | 27.4 A | H | 1.0 | 0 | Z | MED. | 8.6 | 4.0 | 0.0 | 0.0 | 0.0 | **40.1** | **-7.9** | **48.0** | |
| **107.9000** | 37.6 | 32.2 A | V | 1.0 | 0 | X | HIGH | 10.3 | 4.1 | 0.0 | 0.0 | 0.0 | **46.6** | **-1.4** | **48.0** | |
| **107.9000** | 36.0 | 29.4 A | V | 2.0 | 0 | Y | HIGH | 10.3 | 4.1 | 0.0 | 0.0 | 0.0 | **43.8** | **-4.2** | **48.0** | |
| **107.9000** | 34.3 | 25.8 A | V | 1.0 | 0 | Z | HIGH | 10.3 | 4.1 | 0.0 | 0.0 | 0.0 | **40.1** | **-7.9** | **48.0** | |
| **107.9000** | 33.3 | 24.0 A | H | 1.0 | 0 | Y | HIGH | 10.3 | 4.1 | 0.0 | 0.0 | 0.0 | **38.4** | **-9.6** | **48.0** | |
| **107.9000** | 32.8 | 23.8 A | H | 2.0 | 270 | Y | HIGH | 10.3 | 4.1 | 0.0 | 0.0 | 0.0 | **38.2** | **-9.8** | **48.0** | |
| **107.9000** | 33.4 | 24.5 A | H | 2.0 | 0 | Z | HIGH | 10.3 | 4.1 | 0.0 | 0.0 | 0.0 | **38.9** | **-9.1** | **48.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **176.2000** | 43.6 | QP | H | 3.0 | 270 | X | LOW | 14.6 | 4.3 | 31.3 | 0.0 | 0.0 | **31.2** | **-12.3** | **43.5** | |
| **176.2000** | 42.5 | QP | H | 3.0 | 270 | Y | LOW | 14.6 | 4.3 | 31.3 | 0.0 | 0.0 | **30.1** | **-13.4** | **43.5** | |
| **176.2000** | 43.9 | QP | H | 3.0 | 180 | Z | LOW | 14.6 | 4.3 | 31.3 | 0.0 | 0.0 | **31.5** | **-12.0** | **43.5** | |
| **176.2000** | 41.7 | QP | V | 1.0 | 180 | X | LOW | 14.6 | 4.3 | 31.3 | 0.0 | 0.0 | **29.3** | **-14.2** | **43.5** | |
| **176.2000** | 45.8 | QP | V | 1.0 | 0 | Y | LOW | 14.6 | 4.3 | 31.3 | 0.0 | 0.0 | **33.4** | **-10.1** | **43.5** | |
| **176.2000** | 45.7 | QP | V | 1.0 | 90 | Z | LOW | 14.6 | 4.3 | 31.3 | 0.0 | 0.0 | **33.3** | **-10.2** | **43.5** | |
| **196.2000** | 42.7 | QP | H | 2.0 | 270 | X | MED. | 15.6 | 4.6 | 31.6 | 0.0 | 0.0 | **31.4** | **-12.1** | **43.5** | |
| **196.2000** | 43.2 | QP | H | 2.0 | 270 | Y | MED. | 15.6 | 4.6 | 31.6 | 0.0 | 0.0 | **31.9** | **-11.6** | **43.5** | |
| **196.2000** | 43.5 | QP | H | 2.0 | 0 | Z | MED. | 15.6 | 4.6 | 31.6 | 0.0 | 0.0 | **32.2** | **-11.3** | **43.5** | |
| **196.2000** | 44.8 | QP | V | 1.0 | 0 | X | MED. | 15.6 | 4.6 | 31.6 | 0.0 | 0.0 | **33.5** | **-10.0** | **43.5** | |
| **196.2000** | 48.5 | QP | V | 1.0 | 90 | Y | MED. | 15.6 | 4.6 | 31.6 | 0.0 | 0.0 | **37.2** | **-6.3** | **43.5** | |
| **196.2000** | 43.4 | QP | V | 1.0 | 0 | Z | MED. | 15.6 | 4.6 | 31.6 | 0.0 | 0.0 | **32.1** | **-11.4** | **43.5** | |
| **215.8000** | 53.4 | 53.1 QP | H | 2.0 | 90 | X | HIGH | 15.4 | 4.8 | 31.5 | 0.0 | 0.0 | **41.8** | **-1.7** | **43.5** | |
| **215.8000** | 53.7 | 53.2 QP | H | 1.0 | 270 | Y | HIGH | 15.4 | 4.8 | 31.5 | 0.0 | 0.0 | **41.9** | **-1.6** | **43.5** | |
| **215.8000** | 53.5 | 51.4 QP | H | 1.0 | 270 | Z | HIGH | 15.4 | 4.8 | 31.5 | 0.0 | 0.0 | **40.0** | **-3.5** | **43.5** | |
| **215.8000** | 54.2 | 52.4 QP | V | 1.0 | 90 | X | HIGH | 15.4 | 4.8 | 31.5 | 0.0 | 0.0 | **41.0** | **-2.5** | **43.5** | |
| **215.8000** | 54.8 | 53.3 QP | V | 1.0 | 270 | Y | HIGH | 15.4 | 4.8 | 31.5 | 0.0 | 0.0 | **42.0** | **-1.5** | **43.5** | |
| **215.8000** | 54.7 | 54.0 QP | V | 1.0 | 90 | Z | HIGH | 15.4 | 4.8 | 31.5 | 0.0 | 0.0 | **42.6** | **-0.9** | **43.5** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **264.3000** | 56.0 | 55.2 QP | H | 1.0 | 0 | X | LOW | 15.9 | 5.0 | 31.3 | 0.0 | 0.0 | **44.7** | **-1.3** | **46.0** | |
| **264.3000** | 56.7 | 56.1 QP | H | 1.0 | 0 | Y | LOW | 15.9 | 5.0 | 31.3 | 0.0 | 0.0 | **45.6** | **-0.4** | **46.0** | |
| **264.3000** | 54.4 | 54.4 QP | H | 1.0 | 180 | Z | LOW | 15.9 | 5.0 | 31.3 | 0.0 | 0.0 | **43.9** | **-2.1** | **46.0** | |
| **264.3000** | 46.1 | QP | V | 1.0 | 180 | X | LOW | 15.9 | 5.0 | 31.3 | 0.0 | 0.0 | **35.6** | **-10.4** | **46.0** | |
| **264.3000** | 50.0 | QP | V | 1.0 | 180 | Y | LOW | 15.9 | 5.0 | 31.3 | 0.0 | 0.0 | **39.5** | **-6.5** | **46.0** | |
| **264.3000** | 52.3 | QP | V | 1.0 | 180 | Z | LOW | 15.9 | 5.0 | 31.3 | 0.0 | 0.0 | **41.8** | **-4.2** | **46.0** | |
| **294.3000** | 53.5 | 50.7 QP | H | 1.0 | 180 | X | MED. | 18.1 | 5.2 | 31.3 | 0.0 | 0.0 | **42.7** | **-3.3** | **46.0** | |
| **294.3000** | 54.3 | 51.9 QP | H | 1.0 | 0 | Y | MED. | 18.1 | 5.2 | 31.3 | 0.0 | 0.0 | **43.8** | **-2.2** | **46.0** | |
| **294.3000** | 49.8 | QP | H | 1.0 | 180 | Z | MED. | 18.1 | 5.2 | 31.3 | 0.0 | 0.0 | **41.8** | **-4.2** | **46.0** | |
| **294.3000** | 52.6 | 49.9 QP | V | 1.0 | 0 | X | MED. | 18.1 | 5.2 | 31.3 | 0.0 | 0.0 | **41.8** | **-4.2** | **46.0** | |
| **294.3000** | 54.5 | 52.6 QP | V | 2.0 | 270 | Y | MED. | 18.1 | 5.2 | 31.3 | 0.0 | 0.0 | **44.6** | **-1.4** | **46.0** | |
| **294.3000** | 53.1 | 51.0 QP | V | 1.0 | 0 | Z | MED. | 18.1 | 5.2 | 31.3 | 0.0 | 0.0 | **42.9** | **-3.1** | **46.0** | |
| **323.7000** | 46.4 | QP | H | 4.0 | 0 | X | HIGH | 17.7 | 5.4 | 31.2 | 0.0 | 0.0 | **38.4** | **-7.6** | **46.0** | |
| **323.7000** | 51.2 | 49.6 QP | H | 1.0 | 0 | Y | HIGH | 17.7 | 5.4 | 31.2 | 0.0 | 0.0 | **41.6** | **-4.4** | **46.0** | |
| **323.7000** | 52.2 | 50.1 QP | H | 1.0 | 0 | Z | HIGH | 17.7 | 5.4 | 31.2 | 0.0 | 0.0 | **42.0** | **-4.0** | **46.0** | |
| **323.7000** | 47.0 | QP | V | 1.0 | 0 | X | HIGH | 17.7 | 5.4 | 31.2 | 0.0 | 0.0 | **39.0** | **-7.0** | **46.0** | |
| **323.7000** | 48.9 | QP | V | 1.0 | 270 | Y | HIGH | 17.7 | 5.4 | 31.2 | 0.0 | 0.0 | **40.9** | **-5.1** | **46.0** | |
| **323.7000** | 50.2 | QP | V | 2.0 | 270 | Z | HIGH | 17.7 | 5.4 | 31.2 | 0.0 | 0.0 | **42.2** | **-3.8** | **46.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **352.4000** | 46.3 | QP | H | 1.0 | 0 | X | LOW | 18.0 | 5.7 | 31.1 | 0.0 | 0.0 | **38.9** | **-7.1** | **46.0** | |
| **352.4000** | 49.7 | QP | H | 1.0 | 90 | Y | LOW | 18.0 | 5.7 | 31.1 | 0.0 | 0.0 | **42.3** | **-3.7** | **46.0** | |
| **352.4000** | 46.4 | QP | H | 1.0 | 90 | Z | LOW | 18.0 | 5.7 | 31.1 | 0.0 | 0.0 | **39.0** | **-7.0** | **46.0** | |
| **352.4000** | 47.0 | QP | V | 2.0 | 0 | X | LOW | 18.0 | 5.7 | 31.1 | 0.0 | 0.0 | **39.6** | **-6.4** | **46.0** | |
| **352.4000** | 51.1 | 49.9 QP | V | 2.0 | 0 | Y | LOW | 18.0 | 5.7 | 31.1 | 0.0 | 0.0 | **42.5** | **-3.5** | **46.0** | |
| **352.4000** | 47.1 | QP | V | 2.0 | 0 | Z | LOW | 18.0 | 5.7 | 31.1 | 0.0 | 0.0 | **39.7** | **-6.3** | **46.0** | |
| **392.4000** | 51.6 | 48.7 QP | H | 1.0 | 180 | X | MED. | 18.4 | 5.8 | 31.4 | 0.0 | 0.0 | **41.6** | **-4.4** | **46.0** | |
| **392.4000** | 52.2 | 50.5 QP | H | 1.0 | 0 | Y | MED. | 18.4 | 5.8 | 31.4 | 0.0 | 0.0 | **43.4** | **-2.6** | **46.0** | |
| **392.4000** | 48.1 | QP | H | 1.0 | 180 | Z | MED. | 18.4 | 5.8 | 31.4 | 0.0 | 0.0 | **41.0** | **-5.0** | **46.0** | |
| **392.4000** | 48.2 | QP | V | 2.0 | 0 | X | MED. | 18.4 | 5.8 | 31.4 | 0.0 | 0.0 | **41.1** | **-4.9** | **46.0** | |
| **392.4000** | 48.4 | QP | V | 2.0 | 0 | Y | MED. | 18.4 | 5.8 | 31.4 | 0.0 | 0.0 | **41.3** | **-4.7** | **46.0** | |
| **392.4000** | 48.7 | QP | V | 2.0 | 0 | Z | MED. | 18.4 | 5.8 | 31.4 | 0.0 | 0.0 | **41.6** | **-4.4** | **46.0** | |
| **431.6000** | | QP | H | | | X | HIGH | 19.1 | 6.1 | 31.1 | 0.0 | | | | **46.0** | |
| **431.6000** | | QP | H | | | Y | HIGH | 19.1 | 6.1 | 31.1 | 0.0 | | | | **46.0** | |
| **431.6000** | | QP | H | | | Z | HIGH | 19.1 | 6.1 | 31.1 | 0.0 | | | | **46.0** | |
| **431.6000** | | QP | V | | | X | HIGH | 19.1 | 6.1 | 31.1 | 0.0 | | | | **46.0** | |
| **431.6000** | | QP | V | | | Y | HIGH | 19.1 | 6.1 | 31.1 | 0.0 | | | | **46.0** | |
| **431.6000** | | QP | V | | | Z | HIGH | 19.1 | 6.1 | 31.1 | 0.0 | | | | **46.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **440.5000** | | QP | H | | | X | LOW | 19.2 | 6.1 | 31.0 | 0.0 | | | | **46.0** | |
| **440.5000** | | QP | H | | | Y | LOW | 19.2 | 6.1 | 31.0 | 0.0 | | | | **46.0** | |
| **440.5000** | | QP | H | | | Z | LOW | 19.2 | 6.1 | 31.0 | 0.0 | | | | **46.0** | |
| **440.5000** | | QP | V | | | X | LOW | 19.2 | 6.1 | 31.0 | 0.0 | | | | **46.0** | |
| **440.5000** | | QP | V | | | Y | LOW | 19.2 | 6.1 | 31.0 | 0.0 | | | | **46.0** | |
| **440.5000** | | QP | V | | | Z | LOW | 19.2 | 6.1 | 31.0 | 0.0 | | | | **46.0** | |
| **490.5000** | 47.0 | QP | H | 1.0 | 0 | X | MED. | 20.1 | 6.4 | 31.1 | 0.0 | 0.0 | **42.4** | **-3.6** | **46.0** | |
| **490.5000** | 46.1 | QP | H | 1.0 | 0 | Y | MED. | 20.1 | 6.4 | 31.1 | 0.0 | 0.0 | **41.5** | **-4.5** | **46.0** | |
| **490.5000** | 46.8 | QP | H | 1.0 | 180 | Z | MED. | 20.1 | 6.4 | 31.1 | 0.0 | 0.0 | **42.2** | **-3.8** | **46.0** | |
| **490.5000** | 44.2 | QP | V | 1.0 | 0 | X | MED. | 20.1 | 6.4 | 31.1 | 0.0 | 0.0 | **39.6** | **-6.4** | **46.0** | |
| **490.5000** | 46.3 | QP | V | 2.0 | 270 | Y | MED. | 20.1 | 6.4 | 31.1 | 0.0 | 0.0 | **41.7** | **-4.3** | **46.0** | |
| **490.5000** | 45.7 | QP | V | 1.0 | 0 | Z | MED. | 20.1 | 6.4 | 31.1 | 0.0 | 0.0 | **41.1** | **-4.9** | **46.0** | |
| **539.5000** | 49.2 | 44.6 QP | H | 3.0 | 0 | X | HIGH | 20.2 | 6.4 | 31.0 | 0.0 | 0.0 | **40.3** | **-5.7** | **46.0** | |
| **539.5000** | 44.4 | QP | H | 2.0 | 0 | Y | HIGH | 20.2 | 6.4 | 31.0 | 0.0 | 0.0 | **40.1** | **-5.9** | **46.0** | |
| **539.5000** | 46.3 | QP | H | 3.0 | 0 | Z | HIGH | 20.2 | 6.4 | 31.0 | 0.0 | 0.0 | **42.0** | **-4.0** | **46.0** | |
| **539.5000** | 46.3 | QP | V | 1.0 | 0 | X | HIGH | 20.2 | 6.4 | 31.0 | 0.0 | 0.0 | **42.0** | **-4.0** | **46.0** | |
| **539.5000** | 46.5 | QP | V | 1.0 | 0 | Y | HIGH | 20.2 | 6.4 | 31.0 | 0.0 | 0.0 | **42.2** | **-3.8** | **46.0** | |
| **539.5000** | 41.7 | QP | V | 1.0 | 0 | Z | HIGH | 20.2 | 6.4 | 31.0 | 0.0 | 0.0 | **37.4** | **-8.6** | **46.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **528.6000** | | QP | H | | | X | LOW | 20.2 | 6.4 | 31.0 | 0.0 | | | | **46.0** | **No frequencies found** |
| **528.6000** | | QP | H | | | Y | LOW | 20.2 | 6.4 | 31.0 | 0.0 | | | | **46.0** | |
| **528.6000** | | QP | H | | | Z | LOW | 20.2 | 6.4 | 31.0 | 0.0 | | | | **46.0** | |
| **528.6000** | | QP | V | | | X | LOW | 20.2 | 6.4 | 31.0 | 0.0 | | | | **46.0** | |
| **528.6000** | | QP | V | | | Y | LOW | 20.2 | 6.4 | 31.0 | 0.0 | | | | **46.0** | |
| **528.6000** | | QP | V | | | Z | LOW | 20.2 | 6.4 | 31.0 | 0.0 | | | | **46.0** | |
| **588.6000** | | QP | H | | | X | MED. | 20.1 | 7.0 | 30.7 | 0.0 | | | | **46.0** | |
| **588.6000** | | QP | H | | | Y | MED. | 20.1 | 7.0 | 30.7 | 0.0 | | | | **46.0** | |
| **588.6000** | | QP | H | | | Z | MED. | 20.1 | 7.0 | 30.7 | 0.0 | | | | **46.0** | |
| **588.6000** | | QP | V | | | X | MED. | 20.1 | 7.0 | 30.7 | 0.0 | | | | **46.0** | |
| **588.6000** | | QP | V | | | Y | MED. | 20.1 | 7.0 | 30.7 | 0.0 | | | | **46.0** | |
| **588.6000** | | QP | V | | | Z | MED. | 20.1 | 7.0 | 30.7 | 0.0 | | | | **46.0** | |
| **647.4000** | | QP | H | | | X | HIGH | 20.2 | 7.5 | 31.1 | 0.0 | | | | **46.0** | |
| **647.4000** | | QP | H | | | Y | HIGH | 20.2 | 7.5 | 31.1 | 0.0 | | | | **46.0** | |
| **647.4000** | | QP | H | | | Z | HIGH | 20.2 | 7.5 | 31.1 | 0.0 | | | | **46.0** | |
| **647.4000** | | QP | V | | | X | HIGH | 20.2 | 7.5 | 31.1 | 0.0 | | | | **46.0** | |
| **647.4000** | | QP | V | | | Y | HIGH | 20.2 | 7.5 | 31.1 | 0.0 | | | | **46.0** | |
| **647.4000** | | QP | V | | | Z | HIGH | 20.2 | 7.5 | 31.1 | 0.0 | | | | **46.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **616.7000** | | QP | H | | | X | LOW | 20.1 | 7.3 | 30.8 | 0.0 | | | | **46.0** | **No frequencies found** |
| **616.7000** | | QP | H | | | Y | LOW | 20.1 | 7.3 | 30.8 | 0.0 | | | | **46.0** | |
| **616.7000** | | QP | H | | | Z | LOW | 20.1 | 7.3 | 30.8 | 0.0 | | | | **46.0** | |
| **616.7000** | | QP | V | | | X | LOW | 20.1 | 7.3 | 30.8 | 0.0 | | | | **46.0** | |
| **616.7000** | | QP | V | | | Y | LOW | 20.1 | 7.3 | 30.8 | 0.0 | | | | **46.0** | |
| **616.7000** | | QP | V | | | Z | LOW | 20.1 | 7.3 | 30.8 | 0.0 | | | | **46.0** | |
| **686.7000** | | QP | H | | | X | MED. | 20.3 | 7.1 | 30.7 | 0.0 | | | | **46.0** | |
| **686.7000** | | QP | H | | | Y | MED. | 20.3 | 7.1 | 30.7 | 0.0 | | | | **46.0** | |
| **686.7000** | | QP | H | | | Z | MED. | 20.3 | 7.1 | 30.7 | 0.0 | | | | **46.0** | |
| **686.7000** | | QP | V | | | X | MED. | 20.3 | 7.1 | 30.7 | 0.0 | | | | **46.0** | |
| **686.7000** | | QP | V | | | Y | MED. | 20.3 | 7.1 | 30.7 | 0.0 | | | | **46.0** | |
| **686.7000** | | QP | V | | | Z | MED. | 20.3 | 7.1 | 30.7 | 0.0 | | | | **46.0** | |
| **755.3000** | | QP | H | | | X | HIGH | 21.0 | 7.7 | 30.5 | 0.0 | | | | **46.0** | |
| **755.3000** | | QP | H | | | Y | HIGH | 21.0 | 7.7 | 30.5 | 0.0 | | | | **46.0** | |
| **755.3000** | | QP | H | | | Z | HIGH | 21.0 | 7.7 | 30.5 | 0.0 | | | | **46.0** | |
| **755.3000** | | QP | V | | | X | HIGH | 21.0 | 7.7 | 30.5 | 0.0 | | | | **46.0** | |
| **755.3000** | | QP | V | | | Y | HIGH | 21.0 | 7.7 | 30.5 | 0.0 | | | | **46.0** | |
| **755.3000** | | QP | V | | | Z | HIGH | 21.0 | 7.7 | 30.5 | 0.0 | | | | **46.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **704.8000** | | QP | H | | | X | LOW | 20.4 | 7.1 | 30.5 | 0.0 | | | | **46.0** | **No frequencies found** |
| **704.8000** | | QP | H | | | Y | LOW | 20.4 | 7.1 | 30.5 | 0.0 | | | | **46.0** | |
| **704.8000** | | QP | H | | | Z | LOW | 20.4 | 7.1 | 30.5 | 0.0 | | | | **46.0** | |
| **704.8000** | | QP | V | | | X | LOW | 20.4 | 7.1 | 30.5 | 0.0 | | | | **46.0** | |
| **704.8000** | | QP | V | | | Y | LOW | 20.4 | 7.1 | 30.5 | 0.0 | | | | **46.0** | |
| **704.8000** | | QP | V | | | Z | LOW | 20.4 | 7.1 | 30.5 | 0.0 | | | | **46.0** | |
| **784.8000** | | QP | H | | | X | MED. | 21.3 | 7.9 | 30.6 | 0.0 | | | | **46.0** | |
| **784.8000** | | QP | H | | | Y | MED. | 21.3 | 7.9 | 30.6 | 0.0 | | | | **46.0** | |
| **784.8000** | | QP | H | | | Z | MED. | 21.3 | 7.9 | 30.6 | 0.0 | | | | **46.0** | |
| **784.8000** | | QP | V | | | X | MED. | 21.3 | 7.9 | 30.6 | 0.0 | | | | **46.0** | |
| **784.8000** | | QP | V | | | Y | MED. | 21.3 | 7.9 | 30.6 | 0.0 | | | | **46.0** | |
| **784.8000** | | QP | V | | | Z | MED. | 21.3 | 7.9 | 30.6 | 0.0 | | | | **46.0** | |
| **863.2000** | | QP | H | | | X | HIGH | 21.9 | 7.9 | 30.1 | 0.0 | | | | **46.0** | |
| **863.2000** | | QP | H | | | Y | HIGH | 21.9 | 7.9 | 30.1 | 0.0 | | | | **46.0** | |
| **863.2000** | | QP | H | | | Z | HIGH | 21.9 | 7.9 | 30.1 | 0.0 | | | | **46.0** | |
| **863.2000** | | QP | V | | | X | HIGH | 21.9 | 7.9 | 30.1 | 0.0 | | | | **46.0** | |
| **863.2000** | | QP | V | | | Y | HIGH | 21.9 | 7.9 | 30.1 | 0.0 | | | | **46.0** | |
| **863.2000** | | QP | V | | | Z | HIGH | 21.9 | 7.9 | 30.1 | 0.0 | | | | **46.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **792.9000** | | QP | H | | | X | LOW | 21.4 | 8.0 | 30.7 | 0.0 | | | | **46.0** | **No frequencies found** |
| **792.9000** | | QP | H | | | Y | LOW | 21.4 | 8.0 | 30.7 | 0.0 | | | | **46.0** | |
| **792.9000** | | QP | H | | | Z | LOW | 21.4 | 8.0 | 30.7 | 0.0 | | | | **46.0** | |
| **792.9000** | | QP | V | | | X | LOW | 21.4 | 8.0 | 30.7 | 0.0 | | | | **46.0** | |
| **792.9000** | | QP | V | | | Y | LOW | 21.4 | 8.0 | 30.7 | 0.0 | | | | **46.0** | |
| **792.9000** | | QP | V | | | Z | LOW | 21.4 | 8.0 | 30.7 | 0.0 | | | | **46.0** | |
| **882.9000** | | QP | H | | | X | MED. | 22.0 | 8.0 | 30.3 | 0.0 | | | | **46.0** | |
| **882.9000** | | QP | H | | | Y | MED. | 22.0 | 8.0 | 30.3 | 0.0 | | | | **46.0** | |
| **882.9000** | | QP | H | | | Z | MED. | 22.0 | 8.0 | 30.3 | 0.0 | | | | **46.0** | |
| **882.9000** | | QP | V | | | X | MED. | 22.0 | 8.0 | 30.3 | 0.0 | | | | **46.0** | |
| **882.9000** | | QP | V | | | Y | MED. | 22.0 | 8.0 | 30.3 | 0.0 | | | | **46.0** | |
| **882.9000** | | QP | V | | | Z | MED. | 22.0 | 8.0 | 30.3 | 0.0 | | | | **46.0** | |
| **971.1000** | | QP | H | | | X | HIGH | 23.2 | 7.7 | 30.0 | 0.0 | | | | **54.0** | |
| **971.1000** | | QP | H | | | Y | HIGH | 23.2 | 7.7 | 30.0 | 0.0 | | | | **54.0** | |
| **971.1000** | | QP | H | | | Z | HIGH | 23.2 | 7.7 | 30.0 | 0.0 | | | | **54.0** | |
| **971.1000** | | QP | V | | | X | HIGH | 23.2 | 7.7 | 30.0 | 0.0 | | | | **54.0** | |
| **971.1000** | | QP | V | | | Y | HIGH | 23.2 | 7.7 | 30.0 | 0.0 | | | | **54.0** | |
| **971.1000** | | QP | V | | | Z | HIGH | 23.2 | 7.7 | 30.0 | 0.0 | | | | **54.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING

# RADIATED EMISSIONS (FCC SECTION 15.239)

| | | | |
|---|---|---|---|
| **COMPANY** | **Ever Ein International** | **DATE** | **4/29/2009** |
| **EUT** | **FM Transmitter** | **DUTY CYCLE** | **N/A %** |
| **MODEL** | **ICPW 300** | **PEAK TO AVG** | **N/A dB** |
| **S/N** | **0** | **TEST DIST.** | **3 Meters** |
| **TEST ENGINEER** | **R. Ramirez** | **LAB** | **F** |

| Frequency MHz | Peak Reading (dBuV) | Average (A) or Quasi-Peak (QP) | Antenna Polar. (V or H) | Antenna Height (meters) | EUT Azimuth (degrees) | EUT Axis (X,Y,Z) | EUT Tx Channel | Antenna Factor (dB) | Cable Loss (dB) | Amplifier Gain (dB) | Distance Factor (dB) | Mixer Factor (dB) | *Corrected Reading (dBuV/m) | Delta ** (dB) | Spec Limit (dBuV/m) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **881.0000** | | A | H | | | X | LOW | 22.0 | 8.0 | 30.2 | 0.0 | | | | **46.0** | **No frequencies found** |
| **881.0000** | | A | H | | | Y | LOW | 22.0 | 8.0 | 30.2 | 0.0 | | | | **46.0** | |
| **881.0000** | | A | H | | | Z | LOW | 22.0 | 8.0 | 30.2 | 0.0 | | | | **46.0** | |
| **881.0000** | | A | V | | | X | LOW | 22.0 | 8.0 | 30.2 | 0.0 | | | | **46.0** | |
| **881.0000** | | A | V | | | Y | LOW | 22.0 | 8.0 | 30.2 | 0.0 | | | | **46.0** | |
| **881.0000** | | A | V | | | Z | LOW | 22.0 | 8.0 | 30.2 | 0.0 | | | | **46.0** | |
| **981.0000** | | A | H | | | X | MED. | 23.4 | 7.8 | 30.0 | 0.0 | | | | **46.0** | |
| **981.0000** | | A | H | | | Y | MED. | 23.4 | 7.8 | 30.0 | 0.0 | | | | **46.0** | |
| **981.0000** | | A | H | | | Z | MED. | 23.4 | 7.8 | 30.0 | 0.0 | | | | **46.0** | |
| **981.0000** | | A | V | | | X | MED. | 23.4 | 7.8 | 30.0 | 0.0 | | | | **46.0** | |
| **981.0000** | | A | V | | | Y | MED. | 23.4 | 7.8 | 30.0 | 0.0 | | | | **46.0** | |
| **981.0000** | | A | V | | | Z | MED. | 23.4 | 7.8 | 30.0 | 0.0 | | | | **46.0** | |
| **1079.0000** | | A | H | | | X | HIGH | 24.7 | 7.2 | 31.2 | 0.0 | | | | **54.0** | |
| **1079.0000** | | A | H | | | Y | HIGH | 24.7 | 7.2 | 31.2 | 0.0 | | | | **54.0** | |
| **1079.0000** | | A | H | | | Z | HIGH | 24.7 | 7.2 | 31.2 | 0.0 | | | | **54.0** | |
| **1079.0000** | | A | V | | | X | HIGH | 24.7 | 7.2 | 31.2 | 0.0 | | | | **54.0** | |
| **1079.0000** | | A | V | | | Y | HIGH | 24.7 | 7.2 | 31.2 | 0.0 | | | | **54.0** | |
| **1079.0000** | | A | V | | | Z | HIGH | 24.7 | 7.2 | 31.2 | 0.0 | | | | **54.0** | |

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
** DELTA = SPEC LIMIT - CORRECTED READING